

Abbreviations and Definitions

AC advisory circular	HIRF high intensity radiated fields
ACO aircraft certification office	HRD high rate of discharge
ADF automatic direction finding	HUMS health and usage monitoring systems
ADI attitude direction indicator	HV height-velocity
AEO all engines operating	IAS indicated airspeed
AFCS automatic flight control systems	ICAO International Civil Aviation Organization
AGL above ground level	ICS inter-communication system
AHRS attitude heading reference system	IFR instrument flight rules
Amdt. Amendment	IGE in ground effect
APU auxiliary power unit	IIDS integrated instrument display system
ATC air traffic control	ILS instrument landing system
BIM blade inspection method	IMC instrument meteorological conditions
CAM cockpit area microphone	INS inertial navigation system
CAR Civil Air Regulations	ISA international standard atmosphere
CAS calibrated air speed	ISIS integral spar inspection system
CBIM cockpit blade inspection method	ITT inter-turbine temperature
CDP critical decision point	KCAS knots calibrated airspeed
CG center of gravity	KIAS knots indicated air speed
CPS cycles per second	KTAS knots true airspeed
CRFS crash resistant fuel system	LDP landing decision point
CRT cathode ray tube	LWC liquid water content
CVR cockpit voice recorder	MCP maximum continuous power
DER designated engineering representative	MGT measured gas temperature
DME distance measuring equipment	MSL mean sea level
ECAS engine caution advisory systems	MVD median volume diameter
ECU environmental control unit	NDI non-destructive inspection
EFIS electronic flight instrument system	NM nautical mile
EFP engine failure point	NPRM notice of proposed rulemaking
EHE exhaust heat exchanger	NTSB National Transportation Safety Board
ELT emergency locator transmitter	NVG night vision goggles
EMI electromagnetic interference	OAT outside air temperature
EMS emergency medical service	OEI one engine inoperative
EOL end of life	OGE out of ground effect
FAA Federal Aviation Administration	PBA pitch bias actuator
FADEC full authority digital engine control	PCF post crash fire
FAR Federal Aviation Regulations	PIO pilot induced oscillation
FMEA failure mode and effects analysis	PSIG pounds per square inch gauge
FPM feet per minute	QPL qualified parts list
FPS feet per second	
GPS global positioning system	
HF high frequency	

RFM rotorcraft flight manual
RFMS rotorcraft flight manual supplement
RPM revolutions per minute
RTCA Radio Technical Commission of Aeronautics
RVR runway visual range
SAE Society of Automotive Engineers
SAS stability augmentation system
SCAS stability and control augmentation systems
SRM structural repair manual
SSA system safety analysis
STC supplemental type certificate
STOL short takeoff and landing
TBO time between overhaul
TC type certificate
TCDS type certificate data sheet
TDP takeoff decision point
TIA type inspection authorization
TIR type inspection report
TOT turbine outlet temperature
TSO technical standard order
TVP true vapor pressure
VBIM visual blade inspection method
VFR visual flight rules
VMC visual meteorological conditions
VOR very high frequency omnidirectional range radio
VSI vertical speed indicator
V/STOL vertical/short takeoff and landing
VTOL vertical takeoff and landing
WAT weight, altitude, temperature

Altitudes

H_D density altitude
H_P pressure altitude

V speeds

V_D diving speed
V_H speed in level flight with maximum continuous power
V_{MO} maximum operating limit speed
V_{NE} never-exceed speed
V_{Toss} takeoff safety speed for Category A rotorcraft
V_X speed for best angle of climb
V_Y speed for best rate of climb
M_{MO} maximum operating mach number

N speeds

N_F free turbine speed
N_G gas generator speed
N_P power turbine speed
N_R rotor speed

Coefficients

C_D coefficient of drag
C_L coefficient of lift
C_P coefficient of power
C_T coefficient of thrust